



(19)

(11) Publication number: 2000298727 A

Generated Document.

## PATENT ABSTRACTS OF JAPAN

(21) Application number: 2000079635

(51) Intl. Cl.: G06T 7/00 A61B 5/117 G06T 1/00

(22) Application date: 22.03.00

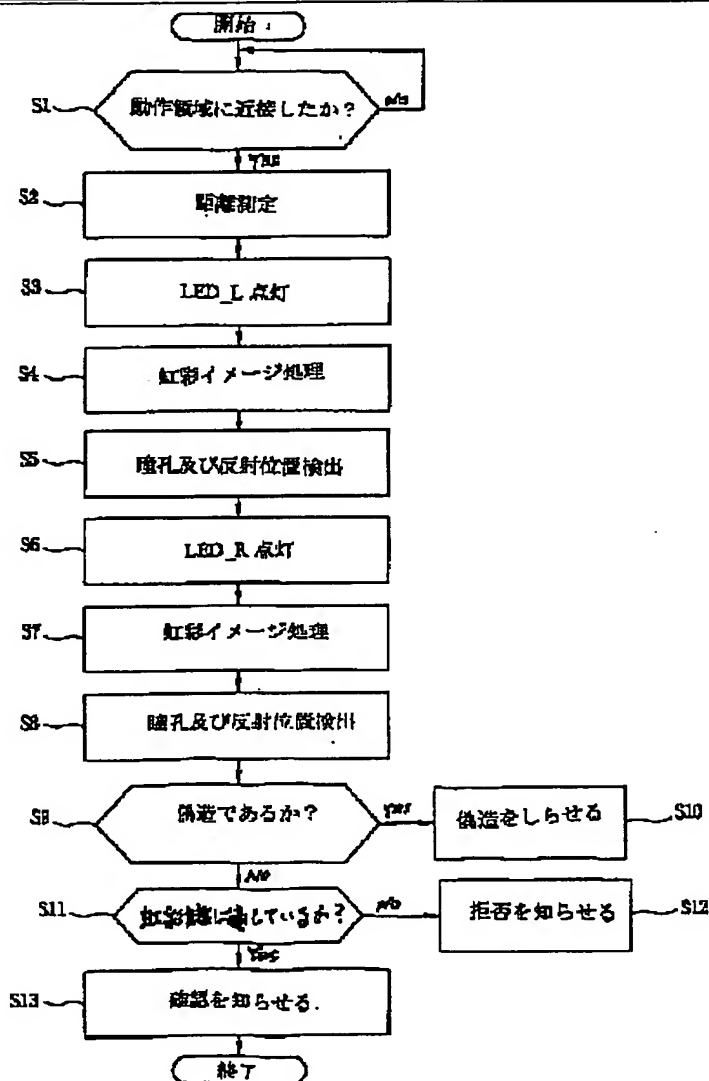
(30) Priority:	23.03.99 KR 99 9909843	(71) Applicant: LG ELECTRONICS INC
(43) Date of application publication:	24.10.00	(72) Inventor: SUN JI MIN JAN JIN CHAI
(84) Designated contracting states:		(74) Representative:

(54) METHOD FOR  
DISCRIMINATING FORGERY IN  
IRIS RECOGNITION SYSTEM

(57) Abstract:

**PROBLEM TO BE SOLVED:** To speedily and precisely judge whether an image of an iris, which is obtained in a camera, is a forged one by having eyes irradiated from a small light source, analyzing the iris image containing the image of the light source and judging the truth of the iris based on a position of the image of the light source in the image of the iris.

**SOLUTION:** A light emitting diode installed at the left of a camera is lighted with eyes as reference, and a reflection video of the light emitting diode is recognized from the videos of iris and pupil parts (S2-S5). The light emitting diode on the right is lighted, and the reflection video of the light emitting diode is recognized from the videos of the iris and pupil parts (S6-S8). It is recognized whether the reflection video appears in a prescribed position. When it does not appear in the prescribed position, the video is judged to be a forgery and this is notified (S9-S10). When the image that the camera took matches with the iris registered in a database (S11), this is notified (S13). When the registered iris is not recognized, the denial of output is notified (S12).



COPYRIGHT: (C)2000,JPO